

9. The method, according to claim 7, wherein step (ii) comprises using surface plasmon resonance.

10. The method according to claim 7, wherein step (ii) comprises using nuclear magnetic resonance.

11. The method, according to claim 8, wherein step (ii) comprises using surface plasmon resonance.

12. The method, according to claim 8, wherein step (ii) comprises using nuclear magnetic resonance.

13. The method according to claim 7, wherein the enzyme is immobilised on a solid support.

14. A method for sequencing a polynucleotide, comprising the steps of:

- (i) reacting a target polynucleotide with a helicase enzyme and a primase enzyme under conditions suitable for enzyme activity; and
- (ii) detecting the interaction between the enzymes and a nucleotide on the target polynucleotide, by measuring radiation.

15. The method, according to claim 14, wherein the radiation is electromagnetic.

16. The method, according to claim 14, wherein step (ii) comprises using surface plasmon resonance.

17. The method according to claim 14, wherein step (ii) comprises using nuclear magnetic resonance.

18. The method, according to claim 15, wherein step (ii) comprises using surface plasmon resonance.

19. The method, according to claim 15, wherein step (ii) comprises using nuclear magnetic resonance.

A (20. The method according to claim 14, wherein the enzymes are immobilised on a solid support

21. A sensor chip comprising a helicase enzyme, a primase enzyme, or both a helicase enzyme and a primase enzyme immobilised thereon.